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#### JC20 Rec'd PCT/PTO 1 3 OCT 2005

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### PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. National Phase Of International Appl. No. PCT/US2004/010960

International Filing Date: April 22, 2004

First Applicant: DiMarchi, Richard et al.

For: INSULIN ANALOGS HAVING PROTRACTED TIME ACTION

Docket No.: X-16270M

#### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure, Applicants submit an "Information Disclosure Citation In An Application" on a Form PTO-1449 (modified) and provides a copy of each of the listed documents for consideration by the Examiner.

Since this Statement is being filed in accordance with 37 C.F.R. 1.97(b), Applicants submit that no additional fee is required.

Applicants request consideration of this information.

Sam

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Attorney for Applicants Registration No. 41,264

Respectfully submitted

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FORM PTO 1449 (modified)	Atty. Docket No. X-16270M	U.S. National Phase of International Application No. PCT/US04410960		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicants Kohn, et al.			
	International Filing Date April 22, 2004	Group		

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Pages or Relevant Figures Appear		
	AA	US 3,528,960	09-15-1970	Haas, et al.			
	AB	US 3,864,325	02-04-1975	Smyth			
	AC	US 3,868,356	02-25-1975	Smyth			
	AD	US 3,868,357	02-25-1975	Smyth			
	AE	US 3,869,437	03-04-1975	Lindsay, et al.			
	AF	US 3,950,517	04-13-1976	Lindsay, et al.			
	AG	US 5,015,728	05-14-1991	Obermeier, et al.			
	AH	US 5,149,716	09-22-1992	Vertesy, et al.			
	Al	US 5,177,058	01-05-1993	Dorschug			
	AJ	US 5,430,016	07-04-1995	Balschmidt, et al.			
	AK	US 5,466,666	11-14-1995	Obermeier, et al.			
	AL	US 5,491,296	02-13-1996	Bergemann			
	AM	US 5,506,202	04-09-1996	Vertesy, et al.			
	AN	US 5,656,722	08-12-1997	Dorschug			
<del>-</del>	AO	US 5,698,669	12-16-1997	Hoffmann, et al.			
<del></del>	AP	UȘ 6,100,376	08-08-2000	Dorshug			
	AQ	US 6,323,311	11-27-2001	Liu, et al.			

Examiner	Date Considered
Signature	·

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. Burden Hours Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be set to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FORM PTO 1449 (modified)				Atty. Docket No. X-16270M		U.S. National Phase of International Application No. 1901/US04/10960			
IN AN APPLICATION				Applicants Kohn, et al.					
				International Filing Date April 22, 2004		Group			
	AR	US 6,444,641	09-0	03-2002		Flora			
	AS	US 6,221,837	. 04-2	24-2001 Ertl, e		Ertl, et a	al.		
	AT	US 6,531,448	03-	11-2003		Brader	•		
		F	OREIGN	PATENT	DOCUM	ENTS			
Examiner Initials*	Examiner Initials* Cite No. 1 Country Code <sup>3</sup> -Number 4- Publica		ation Date	Name of Patentee or Applicant of Cited Document		Relevant Passages	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	BA	GB 1 415 333	11-26-1975 01-27-1988 08-31-1988 11-16-1989 10-03-1990		Schering Aktienge	sellschaft			
	BB	EP 254 516			Markuss	en, <i>et al</i> .			
	BC	EP 280 534			Langkja	er, et al.			
	BD	WO 89/10937			Brange,	et al.			
	BE	EP 390 327			Prouty				
	BF	WO 98/05361	02-12-1	)2-12-1998		et al.			
	BG	WO 03/20201	03-13-2003		DeFelip	ois, et al.			
	ВН	WO 00/64940	11-02-2000		Brader,	et al.			
	BI	WO 01/00674	01-04-2	01-04-2001		ois, et al.			
	BJ	WO 01/00675	01-04-2001		Brader				
	BK	WO 99/21573			Flora	-			
	BL	WO 03/53339	07-03-2	003	Beals, et	al.			
	ВМ	WO 03/53460	07-03-2	003	Brader,	et al.		<del>-</del>	
	BN	WO 99/32116	07-01-1	999	Brader			•	
Fxaminer			-		Date Con	sidered			

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FORM PTO 1449 (modified)  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Atty. Docket No.  X-16270M  U.S. National Phase of Application No. PGT/U		S <del>04</del> /10960				
		N	Applicants Kohn, et al.					
	<u>-</u> .	W		Internation April 22,	onal Filing Date , 2004	Group		
	ВО	WO 95/07931	03-23-19	95	Havelund, et al.		<u></u>	
	BP	WO 99/21578	05-06-19	199	Brader			
		NON I	PATENT L	JTERA1	TURE DOCUMEN	TS		
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published.						
	CA	MASSEY, D., et al., :The Effect of Acylation on the Molecular Size of Insulin" Eur. J. Biochem_31:470-473 (1972).						
	СВ	MARKUSSEN, J., et al., "Soluble, prolonged-acting insulin derivatives. I. Degree of protraction and crystallizability of insulins substituted in the terminus of the B-chain," <i>Protein Engineering</i> 1(3):205-213 (1987).						
	CC	MARKUSSEN, J., et al., "Soluble, prolonged-acting insulin derivatives. II. Degree of protraction and crystallizability of insulins substituted in positions A17, B8, B13, B27 and B30," Protein Engineering 1(3):215-223 (1987).						
	CD .	MARKUSSEN, J., et al., "Soluble, prolonged-acting insulin derivatives. III. Degree of protraction, crystallizability and chemical stability of insulins substituted in positions A21, B13, B23, B27 and B30," Protein Engineering 2(2) 157-166 (1988).						
	CE	MAY, J., et al., "N <sup>EB29</sup> -(+)-Biotinylinsulin and Its Complexes with Avidin," J. Biol. Chem. 253(3):686-690 (1978).						
	CF	TIETZE, et al., Bioch						
	CG	WALLACE, G., "Ch Insulin," J. Chromato				enyl Derivatives of		
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